

Q1

(a) 1.

Because 1 has the higher power of x than 2.

(b) 1.

Same argument as (a)

(c) 2. ~~They read up to the same power, but~~ They have the same x^4 , but 2 has an additional x^3 and a coefficient of 4 on x^4 .

Q2

(a) $x = 256$

$$(b) \log_5(2) + 25 = \log_5(2) + \log_5(5^{25}) = \log_5(2 \cdot 5^{25})$$

$$\therefore x = 2 \cdot 5^{25}$$

(c) $x = 2.5$

Q3.

"Hi", "Hello", "Hey"

Because the array that was updated on the change method doesn't have to do with our original greetings array. The change isn't applied.